

Existing Works — Overall Summary

Category	Component	Year						
		1987	1988	1988	1988	2004	2004	2004
		U.S. Bureau of Reclamation (USBR)	U.S. Department of Energy (DOE)	Assembly Office of Research (AOR)	National Park Service (NPS)	University of California, Davis (UCD)	Environmental Defense (ED)	University of California, Berkeley (UCB)
Valley "Futures"	Restoration			✓	✓			
	Recreation			✓				
	Dam Removal			✓				
Water Replacement Components	Upper River	✓	✓				✓	
	SFPUC System	✓	✓			✓	✓	
	"Mid" River, incl Districts	✓	✓				✓	
	GW / Conjunctive Use	✓	✓				✓	
	Bay-Delta	✓	✓				✓	
Power Replacement Components	Hydro		✓					
	Thermal	✓	✓					
	Market	✓	✓					
Modeling	Identify Water Baseline					✓	✓	
	Complete System Modeling					✓	✓	
	Baseline w/o O'Shaughnessy							
	Alternative Scenarios					✓	✓	
	Sensitivity Studies - Env. Protection							
	Sensitivity Studies - Inst. Constraints							
	Sensitivity Studies - Water Reliability							
	Sensitivity Studies - Facility Sizing						✓	
	Sensitivity Studies - Flood Control							
	Groundwater Modeling							
	Ag./ Third Party Economic Modeling							
	Urban Economic Modeling							
Benefits	Intrinsic Benefits			✓				✓
	Yosemite NP Benefits							
	Regional Benefits							
	Statewide Benefits							
Costs	Dam Removal							
	Valley Restoration							
	Water Replacement					✓	✓	
	Power Replacement		✓			✓	✓	
	Water Quality			✓		✓	✓	
	Institutional Constraints	✓	✓			✓	✓	

7/9/05

Note: Check mark does not mean information is adequate, only that some discussion or information is available.

THE HETCH HETCHY
SUMMARY



THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES
DEPARTMENT OF PARKS AND RECREATION

Restoration & Water/Power Replacement Evaluation Process

Possible Objectives for Hetch Hetchy Valley:

Restoration

- No direct management intervention in successional process
- Moderate management intervention to assist natural succession process
- Intense management intervention in succession process

Recreation

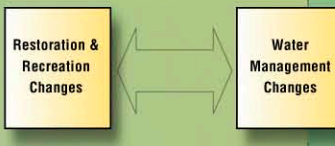
- Minimum facilities development and passive recreation
- Some development of recreation facilities
- Extensive development of active recreation facilities

Cultural Resources

- Preserve cultural resource values and protect cultural resource sites

Hetch Hetchy Valley Objectives

Hetch Hetchy Restoration Variability
Active
Passive



Performance Matrix

Restoration & Recreation Improvement Costs

Restoration & Recreation Benefits

Stakeholder meetings/presentations

Environmental Defense	Tuolumne R. Trust;
Restore Hetch Hetchy	Bay Area Council
SFPUC	Silicon Valley Manufacturers' Association
BAWSCA	Sierra Club
National Park Service	Bureau of Reclamation
MID	Department of Interior
TID	American Fisheries Society
Tuolumne Band of Me-Wuk Indians	UC Davis
Groveland CSD, Tuolumne Co. & community	California Research Bureau

Water Management Replacement Objectives

Geographical Institutional Participation

Operational Objectives

Water Management Replacement Variability
Less
More

Possible Objectives for Water Management:

Water Supply

- Replace existing water supply
- Replace future water supply
- Improve drought preparedness
- Improve operational flexibility
- Reduce GW overdraft

Power

- Replace existing power supply
- Replace future power supply

Water Quality and Treatment

- Improve drinking water quality
- Improve industrial water quality

Environmental Considerations

- Provide new environmental benefits
- Reduce Bay-Delta/SJR conflicts

Recreational Opportunities

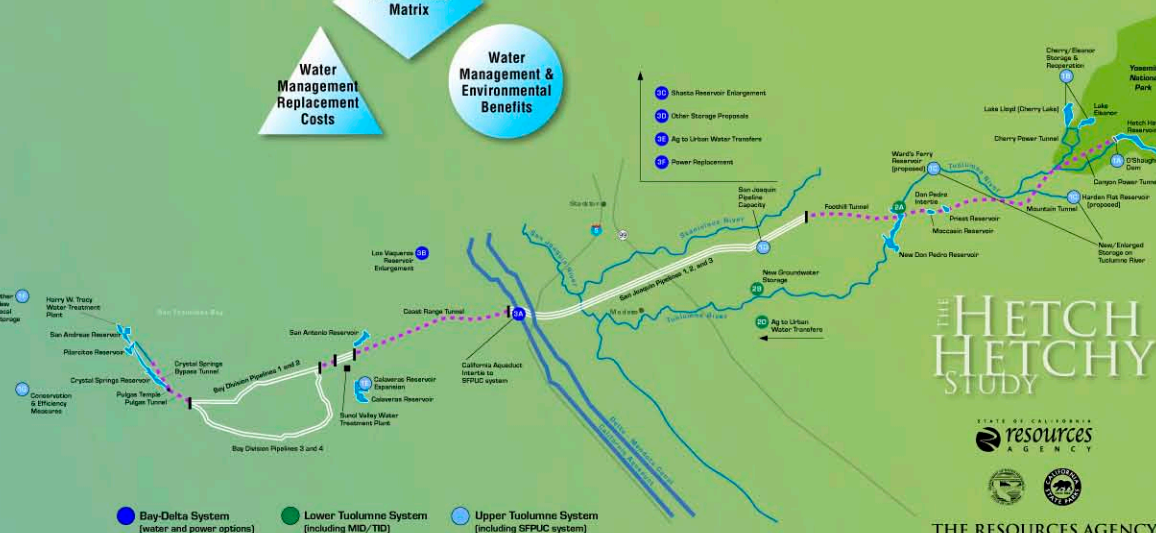
- Provide new recreational benefits
- Contribute to local economies

Flood Impacts

- Reduce flood impacts

Institutional Issues

- Reduce Statewide water conflicts
- Congressional & Legislative Actions Required



THE HETCH HETCHY STUDY

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